Práctica

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1. Aplica las propiedades de la multiplicación para resolver las siguientes expresiones. Indica el nombre de la propiedad utilizada.

a. $(3\sqrt{2}\cdot 6\sqrt{3})(7\sqrt{2}) = (3\sqrt{2})(6\sqrt{3}\cdot 7\sqrt{2})$

$(\square\sqrt{\square})(\square\sqrt{\square}) = (\square\sqrt{\square})(\square\sqrt{\square})$

$(\square\sqrt{\square}) = (\square\sqrt{\square})$

$(\square\sqrt{\square}) = (\square\sqrt{\square})$

b. $(2\sqrt{6})(3\sqrt{3}) = (3\sqrt{3})(2\sqrt{6})$

$(\square\sqrt{\square}) = (\square\sqrt{\square})$

$(\square\sqrt{\square}) = (\square\sqrt{\square})$

c. $\sqrt{15}\cdot\square = \sqrt{15}$

d. $3\sqrt{2}\cdot\square = 0$

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e. $2\sqrt{2}\left(\frac{1}{2\sqrt{2}}\right) = \square$

f. $\sqrt{2}\ \left(\sqrt{8} - \sqrt{18}\right) = \sqrt{2} \cdot \sqrt{8} - \sqrt{2} \cdot \sqrt{18}$

$\sqrt{\square}\left(\square\sqrt{\square} - \square\sqrt{\square}\right) = \sqrt{\square} - \sqrt{\square}$

$\left(\sqrt{\square}\right)\left(-\sqrt{\square}\right) = \square - \square$

$\square = \square$

g. $\sqrt{3}\ \left(\sqrt{3} + \sqrt{12}\right) = \sqrt{3} \cdot \sqrt{3} + \sqrt{3} \cdot \sqrt{12}$

$\sqrt{\square}\left(\sqrt{\square} + \square\sqrt{\square}\right) = \sqrt{\square} + \sqrt{\square}$

$\left(\sqrt{\square}\right)\left(\square\sqrt{\square}\right) = \square + \square$

$\square = \square$

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